



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/774,659 | 02/06/2004 | Robert L. Horlander | 84,679 | 8784 |

7590

04/26/2007

MARK HOMER
NAVAL UNDERSEA WARFARE CENTER NEWPORT DIVISION
1176 HOWELL STREET
BUILDING 112T CODE OOOO
NEWPORT, RI 02841-1708

EXAMINER

ART UNIT

PAPER NUMBER

DATE MAILED: 5-30-06

Please find below and/or attached an Office communication concerning this application or proceeding.



UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Application Serial No. 10-774,659

SECRECY ORDER

**For Unclassified Patent Application
with a DoD Property Interest**

Including:

Permit for Disclosing Subject Matter for Legitimate Business Purposes;
Permit for Foreign Filing in Certain Countries

The above-identified patent application discloses subject matter the unauthorized publication or disclosure of which would, in the opinion of the sponsoring defense agency be detrimental to the national security.

ALL PRINCIPALS¹ IN THIS APPLICATION ARE ORDERED TO KEEP THE SUBJECT MATTER THEREOF IN SECRECY UNDER 35 U.S.C. §181.

The subject matter of this application may not be published or disclosed to any person except as specifically authorized herein or subsequently authorized by written modification of this Secrecy Order granted by the Commissioner of Patents & Trademarks (see 37 CFR §5.5).

Unauthorized publication or disclosure of the subject matter of this patent application may result in abandonment of the patent application (35 U.S.C. §182) and additionally subject the person publishing or disclosing the subject matter to the penalties of 35 U.S.C. §186.

General Provisions

Any other patent application already or hereafter filed in the U.S. or any foreign country which contains any significant part of the subject matter of the above-identified patent application also falls within the scope of this Order. If such other patent application is not currently under a Secrecy Order imposed by the U.S. Patent and Trademark Office, it

¹ "Principals" include all patent applicants, their heirs, assignees, licensees and their attorneys and agents.

and the common subject matter must immediately be disclosed to the address indicated below to the attention of the Director of Licensing and Review

Safeguarding Provisions

This application is unclassified, and thus not subject to the provisions of Executive Order 12356, entitled "National Security Information," Executive Order 10865, entitled "Safeguarding of Classified Information Within Industry" or the "Industrial Security Manual for Safeguarding Classified Information." However, since disclosure of the subject matter would be detrimental to the national security, it must be safeguarded under conditions that will provide adequate protection and prevent access by unauthorized persons. When copies of the subject matter are no longer needed, they should be destroyed by any method that will prevent disclosure of the contents or reconstruction of the document. While this Order remains in effect, all communications with the Patent & Trademark Office pertaining to this application must be addressed to the Commissioner of Patents & Trademarks, Washington, D.C. 20231, Attention: Licensing & Review. Other questions pertaining to the security safeguarding of this application should be directed to the sponsoring defense agency.

**Mail Stop L&R
Commissioner of Patents
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450**

This Secrecy Order was recommended to the Commissioner of Patents & Trademarks by the following sponsoring defense agency:

- () ARMY
- (X) NAVY
- () AIR FORCE
- () HOMELAND SECURITY
- () _____

- Questions regarding the reasons for imposing this Secrecy Order should be directed to the sponsoring defense agency. A contact for each defense agency is attached.
- Questions regarding the substantive examination of the patent application should be directed to the patent examiner
- Questions pertaining to the administrative handling of the application or the Secrecy Order should be directed to the Licensing and Review Branch of the Patent & Trademark Office at Telephone: 571-272-6617; Fax: 571 273-0314. .

- Hand-carried correspondence should be delivered between the hours of 9:00am and 4:30pm to: Technology Center 3600, Room 4B31, 501 Dulany Street (Knox Building), Alexandria Virginia, 22134.

This Order should not be construed in any way to mean that the U.S. Government has adopted or contemplates adoption of the invention disclosed in this application and it is not any indication of the value of such invention.

Permit for Disclosing Subject Matter for Legitimate Business Purposes

The principals may disclose, for legitimate business purposes, the subject matter of this patent application to a U.S. citizen or to a person who is both admitted lawfully into the United States for permanent residence and is located in the United States provided the U.S. citizen or person is furnished with a copy of this Secrecy Order and is informed that this Secrecy Order is applicable to the subject matter disclosed. The term "legitimate business purposes" is to be interpreted consistent with 32 CFR Part 250. Legitimate business purposes include selling or producing products for the commercial domestic marketplace, or for the commercial foreign marketplace providing that any required export license is obtained. Legitimate business purposes also include selling or otherwise disclosing technical data to foreign contractors or foreign governments after receiving the required export license or approval by the U.S. Government.

The principals shall notify the Commissioner of Patents and Trademarks if a validated license is obtained from the Office of Export Administration, U.S. Department of Commerce, or a license is obtained from the Director, Office of Defense Trade Controls, U.S. Department of State, under regulations governing the export of technical data (15 CFR §379 of the Export Administration Regulations or 22 CFR §125 of the International Traffic in Arms Regulations).

Permit for Foreign Filing in Certain Countries

The principals are permitted, subject to the conditions stated hereinafter, to file and prosecute a corresponding application for patent in each of the following countries: Australia, Belgium, Canada, Denmark, France, Federal Republic of Germany, Greece, Italy, Japan, Korea, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Turkey and the United Kingdom.

The papers for each foreign application and its prosecution shall be transmitted to the sponsoring agency, identified herein, for forwarding through diplomatic channels for filing in the foreign country either directly by the principals or through the principals' foreign patent attorney or agent if authorized by the foreign government. Correspondence exclusively relating to payments of taxes and fees need not be sent through the sponsoring agency and diplomatic channels provided that such

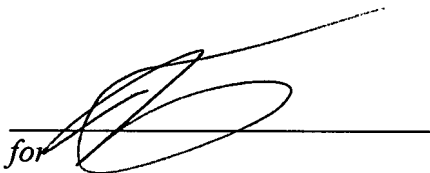
correspondence contains no information pertaining to the subject matter of the above-identified application.

International reciprocal agreements providing for the filing of patent applications under a Secrecy Order in the above-identified countries require the principals to furnish to the sponsoring agency identified herein (in addition to the papers to be filed in the foreign patent office) a copy of the specification (including any drawings annexed thereto, any resume and the claims included in the patent application) filed in the patent office of the foreign country. This copy will be furnished to the appropriate defense agency of the foreign government for information only and without prejudice to any rights of the principals. The filing date and serial number of the patent application should also be furnished to the sponsoring agency.

The principals shall request the foreign patent office to place in secrecy the foreign patent applications corresponding to the above-identified application and shall furnish a copy of this Secrecy Order and permit with the first papers to be filed in the foreign patent office.

The use of this permit to file in a foreign country shall constitute a waiver, unless otherwise required by international agreements, of any claim to compensation for loss or damage due solely to the imposition of secrecy or similar treatment of the invention. Belgium, France, the Federal Republic of Germany, the Netherlands, Norway, Turkey and the United Kingdom normally require a separate document confirming such a waiver.

In the case of Japan, the applicant shall ensure in its contract with its patent attorney that the patent attorney shall submit to the Japanese Patent Office a certified copy of this Secrecy Order and Permit. The submission of this permit to the Japanese Patent Office is considered notification to the Government of Japan of the Secrecy Order status of the above-mentioned application and a corresponding Japanese application will be considered an Agreement Application referred to in paragraph 3(a) of the Protocol to the 1956 United States-Japan Agreement.

A handwritten signature in black ink, appearing to read 'for' followed by a stylized, cursive signature, is written over a horizontal line.

Donald T. Hajec
Director, Technology Center 3600
(571) 272-5150

DEFENSE AGENCY CONTACT LIST

Department of the Army

U.S. Army Patent, Copyrights & Trademark Division
Office of the Judge Advocate General
901 North Stuart St.
Arlington, VA 22203-1837

Diane Winters: 703-696-8124

Department of the Navy

Office of the Chief of Naval Research
Intellectual Property Law Division
ATTN: (OCC)
875 North Randolph Street
Arlington, VA 22203-1995

Lawana Brady: 703-696-4821
Jim Bechtel: 703-696-4007

Department of the Air Force

AFMC LO/JAZ
2240 B Street, Room 100
Wright-Patterson AFB, OH 45433-7109

Richard Lambert: (937) 255-2838

Department of Energy

U.S. Department of Energy
Office of the Assistant General Counsel For Patents (GS-42)
1000 Independence Avenue, SW
Washington, DC 20585

Paul Gottlieb: 202-586-3439

Patent and Trademark Office (Licensing and Review)

Mail Stop: L&R
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

James Samuels: 571-272-6622
L&R Fax 571-273-0314

National Aeronautics and Space Administration

Office of the Associate General Counsel (Intellectual Property)

Mail Code: GP

Attn: Kathy Bayer

Washington, DC 20546

-or-

Office of the Associate General

Mail Code GP, 300 E Street, S.W.

Washington, DC 20546

Alan Kennedy: 202-358-2065

National Security Agency

9800 Savage Road Suite 6542

Fort. George G. Meade, MD 20755-6542

Attn: Patent Counsel

Robert Morelli 301-688-0287

ROBERT L. HORLANDER
421 S. PLEASANT RIDGE ROAD,
BLOOMINGTON, IN 47401

ALBERT J. DEGOTT
RR7, BOX 1556
BLOOMFIELD, IN 47424